

WHAT IS CLAIMS

## CLAIMS 1-22 ( Canceled )

10

CLAIM 23 (currently amended) A vacuum excavation method having a means of making dirt or solids vacuum able by [blasting] using a compressed gas as a means of force in order to propel a volume of liquid to impact said dirt or solid with [a]said liquid [bullet and said liquid  
15 bullet is propelled by a volume of pressurized gas] and said means of making dirt or solids vacuum able comprising [the steps of] : [providing] a [vacuum conduit having a first end of said vacuum conduit positioned in communication with said dirt or solid to be vacuumed and said second end of said vacuum conduit being connected to a vacuum producing  
20 means, and said dirt or solid which is in communication with said first end of said vacuum conduit being blasted by said liquid bullet being created and blasted by first filling a] container having one or more orifices and one or more valves, and further comprising said container being filled with a gas, and [second] further comprising filling said  
25 container with a liquid under pressure thus further compressing said gas to a pressure substantially equivalent [equal] to that of said liquid, [and said container having one or more orifices & one or more valves to fill or contain said gas or liquid in said container and said container having a dispensing orifice and dispensing valve, and third said dispensing orifice  
30 is positioned downward in communication with said dirt or solid and fourth] and further comprising, [abruptly] opening one or more of said valves in order for [said dispensing orifice thus] said gas under pressure to propel [propels] said liquid through said [dispensing] orifice and [& dispensing] valve and further comprising, said propelled liquid being  
35 directed to [thus said liquid bullet impacts] impact said dirt or solids. [for the making said dirt or solid more vacuum able.]

CLAIM 24 (currently amended ) A method as described in claim 23 further comprising [the step of]: providing a diaphragm disposed within  
40 said container and further comprising said diaphragm being positioned between said gas and said liquid.

CLAIM 25 ( currently amended ) A vacuum excavation method having a means of making dirt or solids vacuum able by using a compressed gas as a means of force in order to propel a volume of liquid and said volume  
45 of propelled liquid being directed to impact said dirt or solid thus making said dirt or solids vacuum able and said vacuum excavation method comprising: a container having one or more orifices and one or more valves, and further comprising said container being filled with a gas, and  
50 further comprising filling said container with a liquid under pressure

5 thus further compressing said gas to a pressure substantially equivalent  
to that of said liquid, and further comprising, opening one or more of  
said valves in order for said gas under pressure to propel said liquid  
through said orifice and valve and further comprising said propelled  
10 liquid being directed to impact said dirt or solid and further comprising a  
vacuum conduit and said vacuum conduit having a first end of said  
[blasting said dirt or solid with a liquid bullet and said liquid bullet is  
propelled by a volume of pressurized gas and comprising the steps of :  
providing a vacuum conduit having a first end of said] vacuum conduit  
positioned in communication with said dirt or solid [to be vacuumed] and  
15 [said] a second end of said vacuum conduit being connected to a vacuum  
producing means. ], and said dirt or solid which is in communication  
with said first end of said vacuum conduit being blasted by a liquid  
bullet being created and blasted by first filling a first compartment, of a  
20 container having two compartments separated by a diaphragm, with a  
gas, and second filling said second compartment of said container with a  
liquid under pressure thus further compressing said gas to a pressure  
equal to that of said liquid, and said container having one or more  
orifices & one or more valves to fill or contain said gas or liquid in said  
25 container and said container having a dispensing orifice and dispensing  
valve, and third said dispensing orifice is positioned in communication  
with said dirt or solid and fourth abruptly opening said dispensing orifice  
thus said gas under pressure propels said liquid through said dispensing  
orifice & dispensing valve thus said liquid impacts said dirt or solid  
30 making said dirt or solid more vacuum able.]

CLAIM 26 (currently amended) A method as described in claim 23  
further comprising [the step of]: positioning a [dispensing] conduit in  
communication with said [dispensing] valve and orifice whereby said  
35 conduit serves to dispense said liquid from said container.

CLAIM 27 (currently amended ) A method as described in claim 23 [25]  
further comprising [the step of]: having a vacuum conduit and said  
vacuum conduit having a first end of said vacuum conduit positioned  
40 adjacent to said dirt or solid and a second end of said vacuum conduit  
being adjacently positioned to a vacuum container and further  
comprising said vacuum container having a vacuum producing means.  
[positioning a dispensing conduit in communication with said dispensing  
valve.]

CLAIM 28 (currently amended) A method as described in claim 23 or 25  
further comprising [the step of]: providing a process controller and  
45 further comprising said process controller [to sequence] sequencing the  
opening or closing of said valves, whereby said controller can sequence  
the filling of said container with said gas and said liquid and sequence  
50 the dispensing of said liquid on a repeatable frequency as desired.

CLAIM 29 (currently amended) A method as described in claim 25 further comprising [the step of]: providing a diaphragm disposed within said container and further comprising said diaphragm being positioned between said gas and said liquid [providing a process controller to sequence the opening or closing of said valves.]

CLAIM 30 (currently amended) A method as described in claim 23 or 25 further comprising [the step of]: said valve having an actuator and further comprising said valve actuator opening or closing [to open or close] said valve. [said container having one or more dispensing orifices.]

CLAIM 31 (currently amended) A method as described in claim 23 [25] further comprising [the step of]: said liquid compartment of said container having one or more dispensing orifices.

CLAIM 32 (currently amended) A method as described in claim 23 or 25 further comprising [the step of]: positioning a first end of a dispensing conduit in communication with said container orifice or [dispensing] valve, and [said] a second end of said dispensing conduit having one or more dispensing orifices.

CLAIM 33 (currently amended ) A method as described in claim [23 or] 25 further comprising [the step of]: positioning the first end of a dispensing conduit in communication with said container orifice or dispensing valve and the second end of said dispensing conduit in communication with said dirt or solid.

CLAIM 34 (new) A method as described in claim 23 further comprising: positioning the first end of a dispensing conduit in communication with said container orifice or valve and further comprising, positioning the second end of said dispensing conduit in communication with said dirt or solids, and further comprising said second end of said dispensing conduit being positioned adjacent to a first end of a vacuum conduit and further comprising a second end of said vacuum conduit being connected to a vacuum producing means.

CLAIM 35 (new) A method as described in claim 23 further comprising: a vacuum conduit having a first end positioned in communication with said dirt or solids and having a second end of said vacuum conduit adjacently attached to a vacuum producing means and further comprising, a liquid dispensing conduit having a first end adjacently attached to said container orifice and valve and having a second end of said liquid dispensing conduit adjacently positioned in communication

- 5 with said dirt or solids and adjacently positioned in communication with  
said second end of said vacuum conduit.

10 CLAIM 36 (new) A method as described in claim 23 or 25 further  
comprising: disposing within said liquid of said container a positive  
electrode and a negative electrode and said positive electrode being  
positioned a distance from said negative electrode and further  
15 comprising, an electrical current traveling between said negative  
electrodes and said positive electrode whereby said electrical current  
dissipates a portion of it's energy into said liquid as said electrical  
current travels between said electrodes, thus converting a portion of the  
liquid into a gaseous phase, thus further increasing the pressure of the  
gaseous propellant.

20 CLAIM 37 (new) A method as described in claim 23 or 25 further  
comprising: passing an electrical current through said liquid in said  
container.

25 CLAIM 38 (new) A method as described in claim 23 or 25 further  
comprising: passing an electrical current through said liquid in said  
container and further comprising a process controller to sequence the  
interaction of said electrical current with said opening or closing of said  
valves.

30